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Morbidity and Mortality Weekly Report

PUBLIC HEALTH SERVICE
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the COMMUNICABLE DISEASE CENTER MElrose 4-5131

For release October 20, 1961 | Atlanta 22, Georgia | Vol. 10, No. 41

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended October 14, 1961

Poliomyelitis – There has been a sharp drop in the number of poliomyelitis cases reported for the current week ending October 14. A total of 35 cases, 20 paralytic, was reported. This compares to the 68 cases, including 45 paralytic, which were reported during the previous week.

The comparative low incidence during 1961 is demonstrated in the tabulation. The number of paralytic cases through the 41st week in 1961 is 37% of the number reported last year.

Polio (Cumulated Weekly) Through the 41st Week For Past Five Years

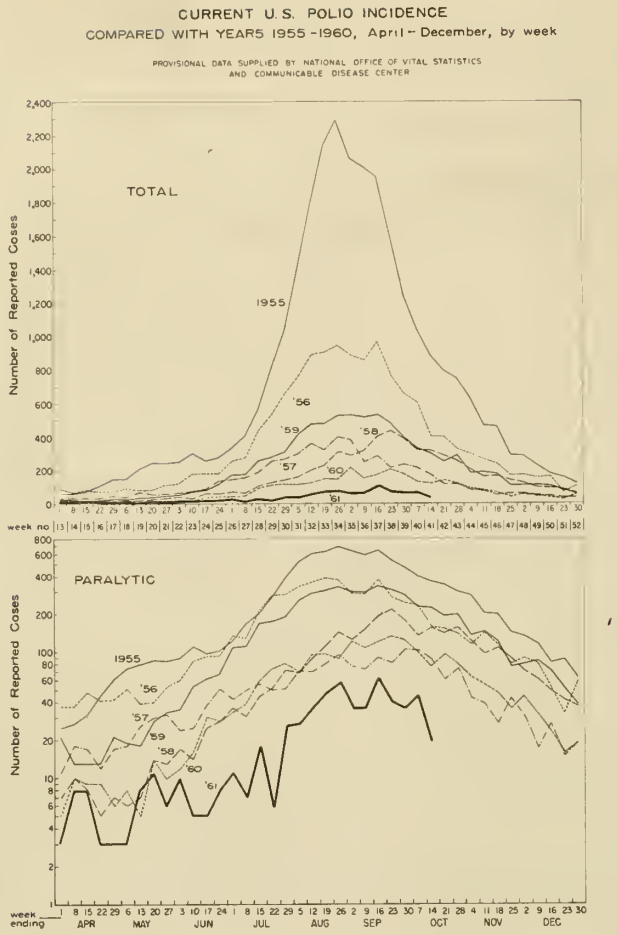
	1961	1960	1959	1958	1957
Paralytic	654	1752	4515	2156	1777
Total	1020	2540	6956	4454	5273

One more paralytic case with onset on October 4, has been reported from Newberry County, South Carolina. Twenty cases have been reported thus far this year, 15 of which have occurred since September 1. There have been

Table I. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	41st Week			Cumulative						Approximate seasonal low point
				First 41 weeks			Since seasonal low week			
* Weekly incidence low or sporadic --- Data not available - Quantity zero	Ended Oct. 14, 1961	Ended Oct. 15, 1960	Median 1956-60	1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
Anthrax----------062	-	-	*	6	15	*	*	*	*	*
Botulism----------049.1	-	-	*	5	10	*	*	*	*	*
Brucellosis (undulant fever)------044	14	9	16	481	628	641	*	*	*	*
Diphtheria----------055	17	10	25	439	525	605	130	180	208	July 1
Encephalitis, infectious----------082	27	45	55	1,299	1,534	1,673	1,299	1,534	1,673	Jan. 1
Hepatitis, infectious, and serum----------092,N998.5 pt.	1,149	854	295	59,573	30,315	15,671	6,754	4,697	1,660	Sept. 1
Malaria----------110-117	1	-	*	45	58	*	*	*	*	*
Measles----------085	911	927	1,109	390,194	404,822	452,739	4,566	4,898	5,531	Sept. 1
Meningitis, aseptic----------340 pt.	96	84	---	2,534	2,376	---	2,534	2,376	---	Jan. 1
Meningococcal infections----------057	34	42	40	1,691	1,730	1,918	176	194	228	Sept. 1
Poliomyelitis----------080	35	120	299	1,020	2,540	5,261	917	2,331	4,733	Apr. 1
Paralytic----------080.0,080.1	20	77	226	654	1,752	1,767	594	1,595	1,492	Apr. 1
Nonparalytic----------080.2	8	26	50	241	539	2,643	216	513	2,482	Apr. 1
Unspecified----------080.3	7	17	23	125	249	851	107	223	759	Apr. 1
Psittacosis----------096.2	-	3	*	54	80	*	*	*	*	*
Rabies in man----------094	-	-	*	3	2	*	*	*	*	*
Streptococcal sore throat, including scarlet fever------050,051	4,075	4,187	---	254,051	246,125	---	34,840	---	---	Aug. 1
Typhoid fever----------040	25	15	22	639	650	836	525	520	656	Apr. 1
Typhus fever, endemic----------101	1	-	*	35	55	*	*	*	*	*
Rabies in animals----------	82	38	59	2,776	2,845	3,534	3,352	74	128	Oct. 1



six isolations of Type III poliovirus. A mass vaccination campaign using Type III oral poliovaccine was begun on Thursday, October 19.

Two of the four paralytic cases reported from New York are related to the Syracuse outbreak but do not have recent onsets. There have been 76 paralytic cases in the tri-county area comprising Onondaga, Madison, and Oneida Counties. The most recent case experienced an onset of disease on September 24.

In Pennsylvania, two of the three paralytic cases reported are from Erie County. There are now four paralytic cases that have occurred in Erie County and a mass immunization program with inactivated vaccine is underway. The current cases were both unvaccinated school age children with onsets on September 22 and October 1.

Only one nonparalytic case has been reported from the cluster of cases in Windsor County, Vermont and adjoining Sullivan County, New Hampshire. Nine cases have been reported from these counties of which only four are paralytic. Type I poliovirus has been isolated from three cases.

Diphtheria – Seventeen cases of diphtheria from seven different States were reported this week. No significant concentrations of cases are yet evident. The six cases from Georgia are from four separate counties.

Hepotitis – The number of hepatitis cases reported this week continues at approximately the same level as noted since last July. A summary of reported cases over and under 20 from the 17th through the 41st week appears on page 8. Only in the New England, Mid-Atlantic and Pacific districts are there States in which over 50 percent of reported cases are over the age of 20.

EPIDEMIOLOGICAL REPORT

Salmonella infantis Food Poisoning – Military Installation

On July 17 and 18, an outbreak of 65 cases of gastroenteritis occurred aboard a Navy vessel. Prompt intensive investigation revealed the probable vehicle to be roast turkey and the causative organism, *Salmonella infantis*.

The majority of those ill complained of diarrhea, cramps and anorexia; between 30 and 45% complained of headache, chills and fever, nausea and myalgia. Several were admitted to sick bay because of the severity of the symptoms.

Upon questioning, it was found that all of those ill were in the duty section on Sunday, July 16, and had eaten in General Mess. No selectivity by age, race, service rate or berthing area was apparent. Preliminary survey indicated the suspect meal to have been that served in the late afternoon. The average incubation period was slightly over 15 hours; 80 percent of the cases fell in the range of 10 to 24 hours.

The late afternoon meal had been served to 225 men and consisted of the following: roast turkey and dressing, potatoes, giblet gravy, cranberry sauce, peas, asparagus, lettuce-tomato salad with French dressing, bread, rolls, butter, milk and strawberry shortcake with whipped cream.

All of the 65 ill and 53 of those who remained asymptomatic were questioned regarding foods eaten and not eaten. Turkey appeared to be the most probable vehicle.

Attack Rates for Selected Foods
According to History of Consumption

Food	Total Eating	No. Ill	% Ill	Total not Eating	No. Ill	% Ill
Turkey	117	67	57	3	0	0
Dressing	53	30	57	67	36	54
Gravy	71	39	55	49	28	57
Fr. Dressing	22	12	55	99	53	54
Cake	80	47	59	40	19	48

(Continued on page 8)

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 15, 1960 AND OCTOBER 14, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Meningitis, aseptic	Brucellosis (undulant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	41st Week		Cumulative, first 41 weeks		41st Week		Cumulative, first 41 weeks		080.2		340 pt.	044
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961
UNITED STATES	35	120	1,020	2,540	20	77	654	1,752	8	26	96	14
NEW ENGLAND	3	3	26	199	1	2	18	155	1	1	3	-
Maine	-	1	2	34	-	1	2	34	-	-	-	-
New Hampshire	-	-	1	-	-	-	-	-	-	-	-	-
Vermont	1	-	5	7	-	-	4	2	1	-	-	-
Massachusetts	1	-	12	28	-	-	8	19	-	-	1	-
Rhode Island	1	-	1	99	1	-	1	76	-	-	2	-
Connecticut	-	2	5	31	-	1	3	24	-	1	-	-
MIDDLE ATLANTIC	12	20	273	369	7	11	179	265	4	7	4	-
New York	9	10	195	206	4	6	124	138	4	2	4	-
New Jersey	-	2	33	71	-	2	26	52	-	-	-	-
Pennsylvania	3	8	45	92	3	3	29	75	-	5	-	-
EAST NORTH CENTRAL	6	16	119	427	1	8	73	253	1	8	45	-
Ohio	5	3	36	102	-	3	17	51	1	-	6	-
Indiana	-	4	12	93	-	2	7	69	-	2	4	-
Illinois	-	3	25	126	-	1	12	85	-	2	10	-
Michigan	1	4	24	75	1	2	20	39	-	2	25	-
Wisconsin	-	2	22	31	-	-	17	9	-	2	-	-
WEST NORTH CENTRAL	1	11	59	152	-	7	25	86	1	4	12	7
Minnesota	-	2	6	48	-	2	6	40	-	-	12	1
Iowa	-	-	18	21	-	-	9	4	-	-	-	4
Missouri	1	3	16	32	-	2	3	22	1	1	-	-
North Dakota	-	4	3	14	-	2	-	5	-	2	-	-
South Dakota	-	-	1	4	-	-	-	1	-	-	-	-
Nebraska	-	1	8	14	-	-	4	8	-	1	-	1
Kansas	-	1	7	19	-	1	3	6	-	-	-	1
SOUTH ATLANTIC	4	26	171	443	3	25	128	346	1	1	7	3
Delaware	-	-	2	-	-	-	1	-	-	-	-	-
Maryland	-	15	27	108	-	15	26	101	-	-	-	-
District of Columbia	1	2	3	2	1	2	3	2	-	-	1	-
Virginia	-	1	10	24	-	-	8	21	-	1	3	1
West Virginia	1	2	24	40	1	2	16	32	-	-	2	-
North Carolina	-	2	17	76	-	2	10	56	-	-	-	-
South Carolina	2	-	31	122	1	-	23	80	1	-	-	-
Georgia	-	2	28	18	-	2	21	16	-	-	-	1
Florida	-	2	29	53	-	2	20	38	-	-	1	1
EAST SOUTH CENTRAL	3	20	74	193	2	3	42	78	-	2	3	-
Kentucky	1	14	27	107	-	-	5	5	-	-	-	-
Tennessee	-	5	17	39	-	2	8	26	-	2	2	-
Alabama	-	-	9	15	-	-	9	15	-	-	1	-
Mississippi	2	1	21	32	2	1	20	32	-	-	-	-
WEST SOUTH CENTRAL	2	14	133	248	2	11	70	152	-	3	3	3
Arkansas	1	4	16	28	1	4	7	20	-	-	1	-
Louisiana	1	-	45	46	1	-	35	28	-	-	-	2
Oklahoma	-	2	4	16	-	2	-	11	-	-	-	-
Texas	-	8	68	158	-	5	28	93	-	3	2	1
MOUNTAIN	-	2	42	68	-	2	24	35	-	-	-	-
Montana	-	-	3	16	-	-	2	12	-	-	-	-
Idaho	-	-	14	5	-	-	6	1	-	-	-	-
Wyoming	-	-	-	18	-	-	-	-	-	-	-	-
Colorado	-	2	6	15	-	2	6	14	-	-	-	-
New Mexico	-	-	3	5	-	-	-	2	-	-	-	-
Arizona	-	-	8	4	-	-	6	4	-	-	-	-
Utah	-	-	8	5	-	-	4	2	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	4	8	123	441	4	8	95	382	-	-	19	1
Washington	-	-	22	30	-	-	14	30	-	-	1	-
Oregon	-	1	14	32	-	1	7	18	-	-	-	-
California	4	7	83	370	4	7	70	325	-	-	18	1
Alaska	-	-	-	2	-	-	-	2	-	-	-	-
Hawaii	-	-	4	7	-	-	4	7	-	-	-	-
Puerto Rico	-	9	6	469	-	9	6	462	-	-	-	-

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 15, 1960 AND OCTOBER 14, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

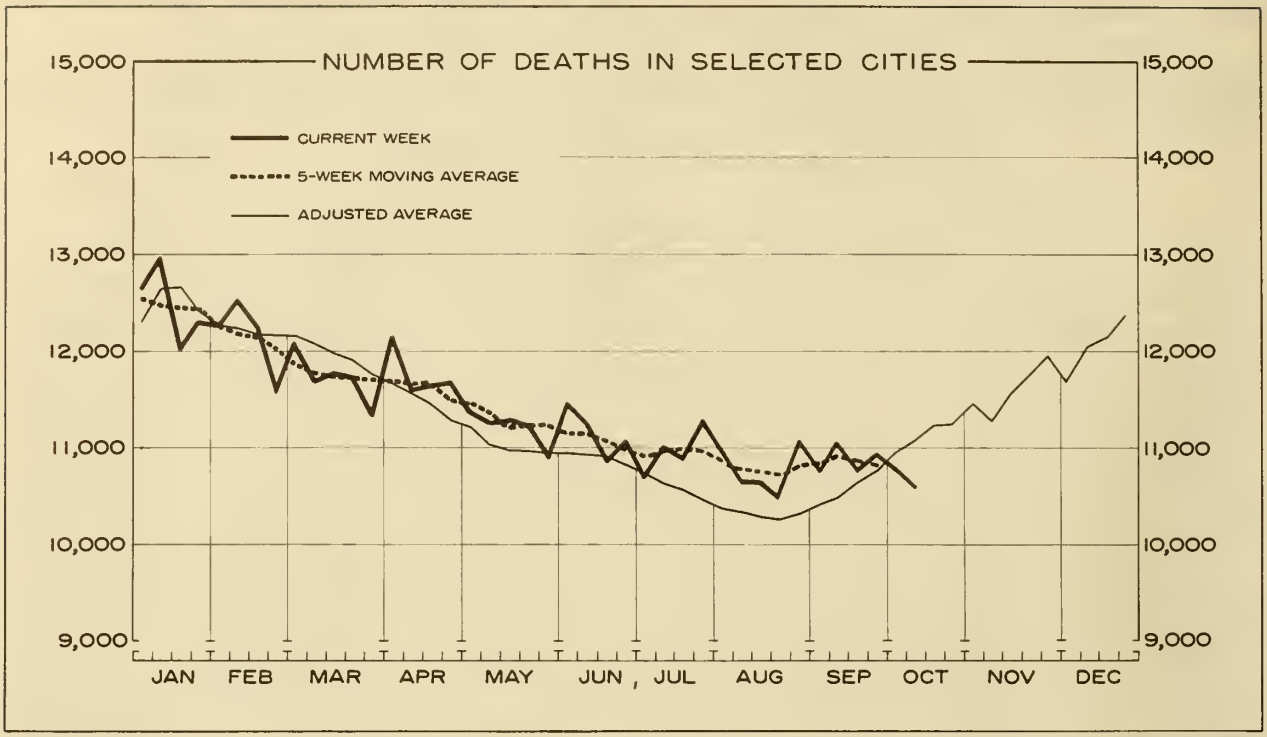
Area	Diphtheria 055				Encephalitis, infectious 082		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles 085	
	41st Week		Cumulative, first 41 weeks				41st Week		Cumulative, first 41 weeks			
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES	17	10	439	525	27	45	1,149	854	59,573	30,315	911	927
NEW ENGLAND	-	-	7	11	-	-	38	14	1,834	895	99	150
Maine	-	-	-	2	-	-	3	1	118	53	45	2
New Hampshire	-	-	-	-	-	-	2	-	157	27	-	2
Vermont	-	-	-	-	-	-	-	-	182	12	4	14
Massachusetts	-	-	6	8	-	-	22	6	742	446	39	116
Rhode Island	-	-	-	1	-	-	2	3	213	177	1	6
Connecticut	-	-	1	-	-	-	9	4	422	180	10	10
MIDDLE ATLANTIC	-	-	20	13	12	6	108	112	8,125	3,622	88	179
New York	-	-	7	3	9	2	38	68	3,446	1,975	55	124
New Jersey	-	-	-	2	-	4	21	10	1,923	252	19	28
Pennsylvania	-	-	13	8	3	-	49	34	2,756	1,395	14	27
EAST NORTH CENTRAL	-	-	15	38	3	6	197	138	11,848	5,441	226	171
Ohio	-	-	1	16	3	5	46	37	3,961	1,854	17	25
Indiana	-	-	1	5	-	-	34	25	1,791	617	-	17
Illinois	-	-	10	6	-	1	47	26	2,115	1,153	134	4
Michigan	-	-	3	9	-	-	62	43	3,683	1,619	46	62
Wisconsin	-	-	-	2	-	-	8	7	298	198	29	63
WEST NORTH CENTRAL	3	5	40	32	3	1	107	94	5,712	2,149	4	39
Minnesota	-	5	24	14	1	-	36	39	1,256	296	-	4
Iowa	-	-	2	7	-	-	32	14	1,687	356	2	16
Missouri	1	-	1	2	1	1	24	19	1,278	761	-	3
North Dakota	1	-	4	1	-	-	-	11	126	161	1	14
South Dakota	1	-	7	5	-	-	2	1	152	134	1	-
Nebraska	-	-	2	1	-	-	7	1	581	218	-	2
Kansas	-	-	-	2	1	-	6	9	632	223	NN	NN
SOUTH ATLANTIC	6	3	101	167	4	8	171	132	7,487	3,548	70	45
Delaware	-	-	-	-	-	-	2	3	174	208	-	3
Maryland	-	-	1	1	-	3	15	4	668	353	8	4
District of Columbia	-	-	2	-	-	1	2	-	110	42	-	-
Virginia	-	1	15	27	-	1	26	19	1,201	671	5	15
West Virginia	-	-	1	4	-	-	19	24	1,368	662	47	14
North Carolina	-	-	7	8	-	2	38	13	1,651	319	1	3
South Carolina	-	-	9	46	-	-	6	50	394	104	1	5
Georgia	6	2	31	28	-	-	38	5	675	235	-	-
Florida	-	-	35	53	4	1	25	14	1,246	954	8	1
EAST SOUTH CENTRAL	-	-	36	52	1	1	219	106	8,976	4,325	43	51
Kentucky	-	-	9	2	-	1	43	23	2,646	1,557	7	14
Tennessee	-	-	3	7	1	-	85	32	3,523	1,407	36	31
Alabama	-	-	19	24	-	-	37	32	1,550	948	-	5
Mississippi	-	-	5	19	-	-	54	19	1,257	413	-	1
WEST SOUTH CENTRAL	6	2	202	176	1	5	72	64	4,335	2,404	88	67
Arkansas	-	-	4	14	1	1	12	13	844	136	-	3
Louisiana	2	1	25	35	-	-	12	3	470	134	2	-
Oklahoma	-	-	8	17	-	-	4	3	290	291	1	1
Texas	4	1	165	110	-	4	44	45	2,731	1,843	85	63
MOUNTAIN	-	-	10	35	-	4	94	49	3,576	2,385	100	62
Montana	-	-	2	3	-	-	-	3	307	112	43	10
Idaho	-	-	-	11	-	-	8	1	266	266	23	14
Wyoming	-	-	-	5	-	-	8	1	144	24	-	-
Colorado	-	-	4	3	-	-	26	27	1,199	879	8	14
New Mexico	-	-	3	4	-	-	7	2	387	276	NN	-
Arizona	-	-	-	3	-	4	19	4	567	529	15	15
Utah	-	-	-	6	-	-	26	11	583	219	11	9
Nevada	-	-	1	-	-	-	-	-	123	80	-	-
PACIFIC	2	-	8	1	3	14	143	145	7,680	5,546	193	163
Washington	2	-	2	-	-	-	15	22	875	644	49	57
Oregon	-	-	-	-	1	-	26	25	1,186	903	23	44
California	-	-	2	-	1	14	95	89	5,200	3,749	97	58
Alaska	-	-	4	1	-	-	6	8	361	174	18	3
Hawaii	-	-	-	-	1	-	1	1	58	76	6	1
Puerto Rico	-	-	52	113	-	-	15	6	796	621	80	20

NN-Not Notifiable

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 15, 1960 AND OCTOBER 14, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria 110-117	Meningoccocal infections 057		Psittacosis 096.2	Streptococcal sore throat, etc. 050,051	Typhoid fever 040				Typhus fever, endemic 101	Rabies in animals	
						41st Week		Cumulative, first 41 weeks				
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES	1	34	42	-	4,075	25	15	639	650	1	82	38
NEW ENGLAND	-	3	2	-	132	-	-	18	8	1	-	-
Maine	-	-	-	-	20	-	-	1	2	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	7	-	-	-	-	-	-	-
Massachusetts	-	2	2	-	23	-	-	12	3	-	-	-
Rhode Island	-	-	-	-	19	-	-	2	-	1	-	-
Connecticut	-	1	-	-	63	-	-	3	3	-	-	-
MIDDLE ATLANTIC	-	2	8	-	78	5	-	77	45	-	4	3
New York	-	-	3	-	52	5	-	41	30	-	4	3
New Jersey	-	1	3	-	19	-	-	17	2	-	-	-
Pennsylvania	-	1	2	-	7	-	-	19	13	-	-	-
EAST NORTH CENTRAL	-	15	6	-	266	2	3	81	87	-	10	4
Ohio	-	2	3	-	33	2	1	28	24	-	1	-
Indiana	-	-	-	-	34	-	-	19	22	-	4	4
Illinois	-	2	-	-	35	-	-	26	21	-	3	-
Michigan	-	11	3	-	95	-	-	5	13	-	-	-
Wisconsin	-	-	-	-	69	-	2	3	7	-	2	-
WEST NORTH CENTRAL	-	3	4	-	134	1	1	33	37	-	27	8
Minnesota	-	-	-	-	4	-	-	5	1	-	4	-
Iowa	-	2	-	-	30	-	-	2	6	-	8	8
Missouri	-	-	-	-	13	1	1	20	22	-	8	-
North Dakota	-	-	-	-	41	-	-	-	1	-	1	-
South Dakota	-	-	2	-	-	-	-	3	3	-	6	-
Nebraska	-	1	1	-	1	-	-	1	2	-	-	-
Kansas	-	-	1	-	45	-	-	2	2	-	-	-
SOUTH ATLANTIC	-	2	6	-	190	4	2	105	99	-	7	4
Delaware	-	-	-	-	2	-	-	1	1	-	-	-
Maryland	-	-	-	-	4	-	-	2	5	-	-	-
District of Columbia	-	1	1	-	2	-	-	10	7	-	-	-
Virginia	-	-	-	-	74	1	-	18	22	-	2	1
West Virginia	-	-	-	-	55	-	-	9	9	-	-	1
North Carolina	-	-	3	-	13	-	-	14	8	-	-	-
South Carolina	-	-	1	-	17	-	-	8	12	-	-	-
Georgia	-	-	-	-	-	3	1	32	23	-	1	-
Florida	-	1	1	-	23	-	1	11	12	-	4	2
EAST SOUTH CENTRAL	-	1	4	-	1,101	10	-	73	94	-	5	5
Kentucky	-	-	-	-	111	4	-	18	19	-	3	3
Tennessee	-	1	3	-	934	3	-	43	53	-	1	2
Alabama	-	-	-	-	6	3	-	10	17	-	1	-
Mississippi	-	-	1	-	50	-	-	2	5	-	-	-
WEST SOUTH CENTRAL	-	2	4	-	607	1	3	138	182	-	18	13
Arkansas	-	-	1	-	3	1	1	25	42	-	5	6
Louisiana	-	1	3	-	6	-	-	21	56	-	1	2
Oklahoma	-	-	-	-	1	-	-	12	12	-	-	1
Texas	-	1	-	-	597	-	2	80	72	-	12	4
MOUNTAIN	-	-	2	-	947	1	1	54	36	-	-	1
Montana	-	-	-	-	55	-	1	16	10	-	-	-
Idaho	-	-	1	-	76	-	-	1	3	-	-	-
Wyoming	-	-	1	-	5	-	-	3	4	-	-	-
Colorado	-	-	-	-	300	-	-	6	1	-	-	-
New Mexico	-	-	-	-	235	-	-	15	8	-	-	1
Arizona	-	-	-	-	216	1	-	7	9	-	-	-
Utah	-	-	-	-	58	-	-	2	1	-	-	-
Nevada	-	-	-	-	2	-	-	4	-	-	-	-
PACIFIC	1	6	6	-	620	1	5	60	62	-	11	-
Washington	-	-	-	-	217	-	-	7	5	-	-	-
Oregon	-	3	2	-	18	-	-	1	8	-	-	-
California	1	2	4	-	325	1	5	52	48	-	11	-
Alaska	-	1	-	-	23	-	-	-	1	-	-	-
Hawaii	-	-	-	-	37	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	3	-	-	18	18	-	1	-



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	41st week ended Oct. 14, 1961	40th week ended Oct. 7, 1961	Adjusted average, 41st week 1956-60	Percent change, adjusted average to current week	Cumulative, first 41 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES	10,596	10,735	11,089	-4.4	467,564	471,171	-0.8
New England (14 cities)	671	655	665	+0.9	28,713	29,537	-2.8
Middle Atlantic (20 cities)	2,922	3,080	3,090	-5.4	133,120	130,678	+1.9
East North Central (21 cities)	2,351	2,266	2,364	-0.5	99,988	101,935	-1.9
West North Central (9 cities)	709	751	789	-10.1	31,876	32,720	-2.6
South Atlantic (11 cities)	972	865	931	+4.4	40,391	40,412	-0.1
East South Central (8 cities)	463	459	500	-7.4	21,142	21,388	-1.2
West South Central (13 cities)	952	997	983	-3.2	40,102	41,184	-2.6
Mountain (8 cities)	327*	338	354	-7.6	14,916	14,731	+1.3
Pacific (13 cities)	1,229	1,324	1,413	-13.0	57,316	58,586	-2.2

*Includes estimate for missing reports.

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	41st week ended Oct. 14, 1961	40th week ended Oct. 7, 1961	Cumulative, first 41 weeks 1961	Cumulative, first 41 weeks 1960
NEW ENGLAND:				
Boston, Mass.	208	237	9,854	10,309
Bridgeport, Conn.	38	31	1,567	1,672
Cambridge, Mass.	32	31	1,191	1,280
Fall River, Mass.	33	29	1,108	1,145
Hartford, Conn.	57	46	1,963	1,993
Lowell, Mass.	25	18	996	976
Lynn, Mass.	24	19	893	995
New Bedford, Mass.	20	29	1,056	1,004
New Haven, Conn.	37	44	1,862	1,835
Providence, R.I.	54	60	2,546	2,593
Somerville, Mass.	17	5	533	544
Springfield, Mass.	40	41	1,805	1,849
Waterbury, Conn.	33	21	1,095	1,120
Worcester, Mass.	53	44	2,244	2,222
MIDDLE ATLANTIC:				
Albany, N.Y.	40	47	1,867	1,759
Allentown, Pa.	24	34	1,405	1,422
Buffalo, N.Y.	98	132	5,941	5,940
Camden, N.J.	34	44	1,741	1,730
Elizabeth, N.J.	29	25	1,198	1,197
Erie, Pa.	35	40	1,601	1,580
Jersey City, N.J.	58	63	2,809	2,915
Newark, N.J.	82	111	4,132	3,979
New York City, N.Y.	1,688	1,577	68,059	66,581
Paterson, N.J.	40	45	1,593	1,555
Philadelphia, Pa.	364	424	20,772	20,027
Pittsburgh, Pa.	112	209	7,749	7,837
Reading, Pa.	27	25	955	970
Rochester, N.Y.	81	86	4,115	4,102
Schenectady, N.Y.	26	20	984	974
Scranton, Pa.	33	33	1,444	1,533
Syracuse, N.Y.	63	61	2,496	2,532
Trenton, N.J.	31	50	1,846	1,680
Utica, N.Y.	30	30	1,152	1,106
Yonkers, N.Y.	27	24	1,261	1,259
EAST NORTH CENTRAL:				
Akron, Ohio	61	45	2,341	2,330
Canton, Ohio	35	30	1,267	1,416
Chicago, Ill.	704	679	30,275	31,435
Cincinnati, Ohio	161	149	6,392	6,449
Cleveland, Ohio	210	198	8,285	8,618
Columbus, Ohio	95	101	4,667	4,817
Dayton, Ohio	75	72	3,273	3,050
Detroit, Mich.	309	293	13,585	13,904
Evansville, Ind.	33	34	1,481	1,495
Flint, Mich.	34	40	1,737	1,646
Fort Wayne, Ind.	38	35	1,558	1,506
Gary, Ind.	37	27	1,249	1,270
Grand Rapids, Mich.	50	53	1,850	1,689
Indianapolis, Ind.	136	122	5,783	5,965
Madison, Wis.	20	32	1,334	1,288
Milwaukee, Wis.	117	106	5,013	5,127
Peoria, Ill.	35	22	1,170	1,248
Rockford, Ill.	30	41	1,167	1,169
South Bend, Ind.	26	31	1,172	1,195
Toledo, Ohio	97	96	4,029	4,073
Youngstown, Ohio	48	60	2,360	2,245
WEST NORTH CENTRAL:				
Des Moines, Iowa	53	60	2,211	2,242
Duluth, Minn.	18	19	1,049	1,039
Kansas City, Kans.	42	40	1,535	1,432
Kansas City, Mo.	131	124	5,235	5,132
Lincoln, Nebr.	(27)	(31)	(1,141)	(1,067)
Minneapolis, Minn.	79	105	4,835	5,113
Omaha, Nebr.	88	63	2,844	2,991
WEST NORTH CENTRAL—Con.:				
St. Louis, Mo.	207	231	9,582	10,054
St. Paul, Minn.	57	61	2,686	2,832
Wichita, Kans.	34	48	1,899	1,885
SOUTH ATLANTIC:				
Atlanta, Ga.	120	121	4,634	4,815
Baltimore, Md.	189	213	9,991	10,307
Charlotte, N.C.	49	40	1,476	1,602
Jacksonville, Fla.	76	44	2,361	2,417
Miami, Fla.	83	56	3,094	2,965
Norfolk, Va.	47	45	2,032	1,637
Richmond, Va.	87	75	3,167	3,185
Savannah, Ga.	28	31	1,338	1,375
St. Petersburg, Fla.	(63)	(53)	(2,764)	(2,882)
Tampa, Fla.	72	39	2,702	2,680
Washington, D.C.	197	170	7,987	7,878
Wilmington, Del.	24	31	1,609	1,551
EAST SOUTH CENTRAL:				
Birmingham, Ala.	76	77	3,478	3,453
Chattanooga, Tenn.	31	52	1,910	1,939
Knoxville, Tenn.	16	39	1,134	1,147
Louisville, Ky.	93	56	4,639	4,719
Memphis, Tenn.	114	113	4,629	4,576
Mobile, Ala.	36	43	1,662	1,688
Montgomery, Ala.	30	33	1,312	1,416
Nashville, Tenn.	67	46	2,378	2,450
WEST SOUTH CENTRAL:				
Austin, Tex.	28	31	1,390	1,416
Baton Rouge, La.	37	28	1,125	1,183
Corpus Christi, Tex.	21	29	897	963
Dallas, Tex.	134	118	5,125	5,078
El Paso, Tex.	37	44	1,447	1,563
Fort Worth, Tex.	60	94	2,649	2,735
Houston, Tex.	170	143	6,765	6,926
Little Rock, Ark.	51	43	2,312	2,336
New Orleans, La.	155	168	6,885	7,327
Oklahoma City, Okla.	63	72	3,028	3,055
San Antonio, Tex.	104	93	4,176	4,130
Shreveport, La.	37	49	2,052	2,213
Tulsa, Okla.	55	85	2,251	2,259
MOUNTAIN:				
Albuquerque, N. Mex.	34	33	1,281	1,247
Colorado Springs, Colo.	16	26	674	686
Denver, Colo.	110	104	4,716	4,880
Ogden, Utah	12	15	677	675
Phoenix, Ariz.	70*	67	3,345	3,137
Pueblo, Colo.	15	19	691	673
Salt Lake City, Utah	37	43	1,971	1,986
Tucson, Ariz.	33	31	1,561	1,447
PACIFIC:				
Berkeley, Calif.	12	16	701	689
Fresno, Calif.	(35)	(50)	(1,764)	(1,781)
Glendale, Calif.	(18)	(34)	(1,345)	(1,559)
Honolulu, Hawaii	41	42	1,648	1,688
Long Beach, Calif.	48	77	2,262	2,219
Los Angeles, Calif.	441	458	20,254	20,648
Oakland, Calif.	100	92	3,938	3,918
Pasadena, Calif.	25	31	1,350	1,403
Portland, Oreg.	95	105	4,365	4,521
Sacramento, Calif.	57	61	2,532	2,372
San Diego, Calif.	88	81	3,617	3,731
San Francisco, Calif.	149	152	7,896	8,106
San Jose, Calif.	(29)	(47)	(1,430)	(1,411)
Seattle, Wash.	97	123	5,272	5,661
Spokane, Wash.	42	52	1,920	1,949
Tacoma, Wash.	34	34	1,561	1,681
San Juan, P. R.	(23)	(33)	(1,367)	(1,447)

*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

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The turkeys, supplied frozen by a North Carolina packer, were delivered to the installation on May 2. The boxes were unrefrigerated for 30 minutes before loading into the freezers. They remained in the freezers until July 15 when 16 turkeys were removed at 4:00 p.m. to a non-refrigerated space for thawing. The 16 birds, ranging from 20 to 25 lbs. in weight, remained in the non-refrigerated space until 7:00 a.m. on July '6 when they were put into the oven. However, the cook noticed that the "insides of the turkeys were still frozen solid" when they were placed in the oven. The birds were cooked from 7:00 a.m. until 1:00 p.m. at 300° F., removed from the oven to cool, and sliced at 2:00 p.m. The sliced turkey was then put directly on the line for serving. The cook stated the birds "looked good and tasted good."

No food remained from the suspect meal for laboratory study. However, rectal swabs were obtained from the 120 individuals interviewed. From 57, salmonella organisms of the C_1 group were obtained. All were serotyped as *Salmonella infantis*. Analysis of the results by those ill and not ill is presented below:

	No. Cultured	Positive for *S. infantis*	Percent Positive
Ill	65	38	58
Not ill	55	19	35
Total	120	57	48

In summary, the most likely mode of transmission would appear to have been via the visceral cavity and adjoining meat of the turkeys which were still frozen when placed in the oven and not cooked to a sufficient degree to kill the indigenous salmonella organisms.

(Reported by Lieutenant Stephen Kendra and Captain E. Siess, M.C., U.S. Navy, Preventive Medicine Unit No. 2. Norfolk, Virginia)

HEPATITIS CASES BY AGE
CUMULATIVE TOTALS
Week 17 through Week 41, 1961

State or Area	Under 20 Years	20 Years and Over	Age Unspecified	Total	Percent 20 and Over
NEW ENG.					
Maine	36	42	–	78	53.8
New Hampshire	7	7	93	107	50.0
Vermont	32	35	4	71	52.2
Massachusetts	268	197	11	476	42.4
Rhode Island	43	51	6	100	54.3
Connecticut	85	124	5	214	59.3
MID. ATL.					
New York	663	1,052	19	1,734	61.3
New Jersey	288	600	–	888	67.6
Pennsylvania	590	463	244	1,297	44.0
E. NO. CENT.					
Ohio	761	463	614	1,838	37.8
Indiana	493	329	28	850	40.0
Illinois	550	375	312	1,237	40.5
Michigan	696	537	995	2,228	43.6
Wisconsin	–	–	165	165	–
W. NO. CENT.					
Minnesota	305	232	48	585	43.2
Iowa	540	245	81	866	31.2
Missouri	387	207	22	616	34.8
North Dakota	36	29	1	66	44.6
South Dakota	20	14	7	41	41.2
Nebraska	75	49	158	282	39.5
Kansas	185	133	1	319	41.8
SO. ATL.					
Delaware	–	–	75	75	–
Maryland	227	108	10	345	32.2
D. C.	48	24	–	72	33.3
Virginia	433	270	66	769	38.4
W. Virginia	429	127	22	578	22.8
North Carolina	650	204	2	856	23.9
South Carolina	102	38	37	177	27.1
Georgia	194	89	19	302	31.4
Florida	477	329	31	837	40.8
E. SO. CENT.					
Kentucky	847	196	222	1,265	18.8
Tennessee	1,106	396	14	1,516	26.4
Alabama	569	195	–	764	25.5
Mississippi	–	–	636	636	–
W. SO. CENT.					
Arkansas	293	134	–	427	31.4
Louisiana	174	81	50	305	31.8
Oklahoma	97	43	7	147	30.7
Texas	759	589	119	1,467	43.7
MOUNT.					
Montana	68	28	17	113	29.2
Idaho	–	–	168	168	–
Wyoming	27	21	19	67	43.8
Colorado	47	31	494	572	39.7
New Mexico	70	50	16	136	41.7
Arizona	–	–	309	309	–
Utah	164	81	–	245	33.1
Nevada	–	–	67	67	–
PACIFIC					
Washington	170	207	87	464	54.9
Oregon	317	313	18	648	49.7
California	1,053	1,412	790	3,255	57.3
Alaska	136	39	70	245	22.3
Hawaii	8	19	9	36	70.4

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